DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name: that I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

RAKE RECEIVER WITH LOW PASS FILER

which application is: that I have reviewed and understand the contents of the specification of the above-identified application; that I have reviewed and understand the contents of the specification of the above-identified application; including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware and which is material to the examination of this application under 3° C.F.R. 1.56(a) and that I hereby claim foreign priority benefits under fitle 35, United States Code §119, §172 or §365 of any foreign application (b) for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed: Application Number Country Filing Date Priority Claimed (use or no) Japan January 27, 2000 Japan January 27, 2000 Japan January 27, 2000 Japan January 27, 2000 I hereby claim the benefit of Title 35, United States Code §120 of any United States application (s) listed below and, insofar as the subject matter of each of the claims of this application in the manner provided by the first paragraph of Title 35, United States Code, §112, I caknowledge my duty to disclose any material information under 3° C.F.R. 1.56(a) which occurred between the filing date of the prior application and the national or PCT intermational filing date of this application: Application Serial No. Filing Date [patented, pending, abandoned] Lihereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,946; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Meetic, Reg. No. 23,003; Robert V. Sioan, Reg. No. 22,775; Feber D. Olevy, Reg. No. 24,513; J. Frank Osha, Reg. No. 25,252; Meelale L. Bignart, Reg. No. 25,004; Robert C. McMorrow, Reg. No. 23,735; John R. Reg. No. 24,513; J. Frank Osha, Reg. No. 25,252; Meelale L. Bignart, Reg. No. 25,005; Robert C. McMorrow, Reg. No. 23,735; John R. Reg. No. 25,757; Seledon L. Landemank, Reg. No. 25,406; Kenneth J. Burchfi					
that I have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware and which is material to the examination of this application under 37 C.F.R. 1.56(a); and that I hereby claim foreign priority benefits under Title 35, United States Code \$119, 8172 or \$3655 of any foreign application(s) for patent or inventor's certificate on this invention having a filling date before that of the application on which priority is claimed: Application Number Country Filling Date Priority Claimed (use or no) 19267/2000 Japan January 27, 2000 yes I hereby claim the benefit of Title 35, United States Code \$120 of any United States application (s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$121, I acknowledge my duty to disclose any material information under 37 C.R.R. 1.56(a) which occurred between the filling date of the prior application and the national or PCT international filling date of this application: Application Serial No. Filing Date Status (patented, pending, abandoned) I hereby appoint John H. Mion, Reg. No. 1,887°; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sioan, Reg. No. 22,775; Peter D. Olevy, Reg. No. 24,513; J. Frank Csha, Reg. No. 24,525; Waddell A. Biggart, Reg. No. 24,861; Robert G. McMorrow, Reg. No. 29,993; Louis Gubinsky, Reg. No. 43,551; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 25,430; Spihar R. Inge, Reg. No. 25,430; Spihar R. Reg. No. 29,790; Howard L. Bernstein, Reg. No. 25,657; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 25,630; Reg. No. 25,430; Reinard C. Turner, Reg. No. 25,630; Reg.	which application is:	☐ application S	☐ application Serial No, and amended on		
I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge my duty to disclose any material information under 37 C.F.R. 1.56(a) which occurred between the filling date of the prior application and the national or PCT international filling date of this application: Application Serial No. Filing Date Status (putented, pending, abandoned) I hereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,661; Robert G. McMorrow, Reg. No. 19,993; Louis Gubinsky, Reg. No. 24,825; Neil B. Siegel, Reg. No. 25,000 David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 29,701; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,701; Desph J. Ruch, Jr., Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,701; Oray and L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,702; David J. Cushing, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; and Mark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State	the claims, as amended by any amend which I am aware and which is materi- claim foreign priority benefits under patent or inventor's certificate listed by	the contents of the some treferred to about the examination of the Examination of Title 35, United States below and have also in	pecification of the above ve; that I acknowledge not of this application under is Code §119, §172 or §36 dentified on said list any	e-identified application, including my duty to disclose information of 37 C.F.R. 1.56(a); and that I hereby 5 of any foreign application(s) for y foreign application for patent of	
I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any material information under 37 C.F.R. 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: Application Serial No. Filing Date Status (patented, pending, abandoned) I hereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,00; David J. Cushing, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,203; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Rep. No. 25,426; Kenneth J. Burchfiel, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; and Mark Boland, Reg. No. 32,177; My attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 2003? I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment,	Application Number	Country	Filing Date		
Ihereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Robert G. McMorrow, Reg. No. 19,993; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David, Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; and Mark Boland, Reg. No. 32,197, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willfulf alse statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willfulf alse statements may jeopardize the validity of the application or any patent issuing thereon. Date January 15, 2001 First Inventor YUICHI First Name Middle Initial MARUYAMA Post Office Address Cio NEC IC Microcomputer Systems, Ltd., 403–53, Kosugimachi 1–chome, Nakahara–ku, Kawasaki–shi, Kanagawa, Japan Date Second Inventor First Name Middle Initial Last Name Post Office Address Post Office Address	I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any material information under 37 C.F.R. 1.56(a) which occurred between the filing date of the prior				
Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,613; Robert G. McMorrow, Reg. No. 19,093; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. Ro. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; and Mark Boland, Reg. No. 32,197, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. Date January 15, 2001 First Inventor YUICHI First Name Middle Initial MARUYAMA First Name Middle Initial MARUYAMA Post Office Address C/O NEC IC Microcomputer Systems, Ltd., 403–53, Kanagawa, Japan Date Second Inventor First Name Middle Initial Last Name Signature Post Office Address Post Office Address Post Office Address	Application Serial No.	Filing D			
Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. Date	Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Robert G. McMorrow, Reg. No. 19,093; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; and Mark Boland, Reg. No. 32,197, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to SUGHRUE, MION, ZINN, MACPEAK & SEAS, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that				
Residence Kanagawa, Japan Signature First Name Middle Initial Thankyama Post Office Address C/O NEC IC Microcomputer Systems, Ltd., 403-53, Kosugimachi 1-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan Date Second Inventor First Name Middle Initial Last Name Residence Signature Post Office Address Post Office Address	Title 18 of the United States Code an	d that such willful fals	e statements may jeopa	rdize the validity of the applicatio	
Post Office Address C/O NEC IC Microcomputer Systems, Ltd., 403-53, Kosugimachi 1-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan Date Second Inventor First Name Middle Initial Last Name Residence Signature Post Office Address	Date January 15, 2001	THE HIVEHIOI		Tank NI-88DA	
Citizenship Japanese Kosugimachi 1-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, Japan Date Second Inventor First Name Middle Initial Last Name Residence Signature Post Office Address	Residence Kanagawa, Japan	o o	<i>ì</i>	· ت	
First Name Middle Initial Last Name Residence Signature Post Office Address	Citizenship Japanese	Kos	ugimachi 1-chome, N		
ResidenceSignature Post Office Address	Date	Second Inventor	Name Mide	ile Initial Last Name	
	Residence				
		Post Office Address			